

NCDOT Prioritization 3.0 Project Summary

SPOT ID: H140135 Mode: Highway Status: Submitted

SR-1514, SR-1523 (Bamboo Road, Wilson Ridge)

From/Cross Street: From US 421/221 Specific Improvement Type: 16 - Modernize Roadway

To: to SR 1522 (Deerfield Road) Project Category: Division Needs

Length: 1.89

Fully Funded in Draft STIP? No

Cost to NCDOT: \$2,982,000

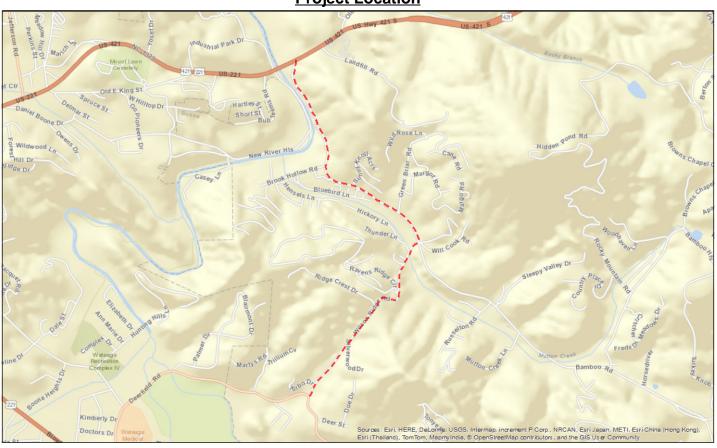
Description:

Widen road to 12-foot lanes with 4-foot paved shoulders to accommodate bicycles. Additionally, intersection improvements are recommended at Wilson Ridge Road, Deerfield Road, and Bamboo Road.

Division(s): Division 11 **County(s):** WATAUGA

MPOS(s)/RPO(s): High Country RPO

Project Location



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Statewide	Mobility	Total	Score:	0
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Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
	N/A	N/A
Totals: Weight: 0% Weighted Score: 0		

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	Percent: 15% Points: 0	Percent: 15% Points: 0

Division Needs Total Score: 61.04

Quantitative Score		Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) Safety (10%) [Travel Time] Benefit/Cost (20%) Totals: Weight: 50% Weighted Score	35.74 38.92 0.00	Percent: 25% Points: 100	Percent: 25% Points: 100

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Project Data *

Existing Conditions

Existing Cross-Section: Speed Limit: 35 1.89 Length (miles); Arterial Facility Type: Access Control: None Functional Classification: **Major Collector** Terrain Type: Mountainous Lane Width: 10 Paved Shoulder Width: 0 Roadway has Curb & Gutter? No Volume (AADT): 8515.71 Capacity: 15800 Volume/Capacity Ratio: 0.54 % Autos: 100% % Trucks: 0% 0 Truck Volume: 54.28 Crash Density: Crash Severity: 27.45 35.03 Critical Crash Rate: Crash Frequency: 0 Severity Index: 0 3 County Tier Designation: Non-Interstate STRAHNET No Route? 17 Average Commuting Time: Undivided Existing Median Type (for Cost Estimation): Pavement Condition Rating: 64 0 **Actual Congested Speed:**

Travel Time Index:

Project Benefits

Project Cross-Section:	
Speed Limit:	35
Length (miles):	1.89
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Major Collector
TerrainType:	Mountainous
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	High Country RPO

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^{*} Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

Project Ownership

Division

Division	Percent	Regional Impact	Division Needs
Division 11	100%	0	100
	0%	0	0
	0%	0	0
TOTAL Division Points		0	100

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
High Country RPO	100%	0	100
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	100

Project Cost and Source

Construction Cost:	\$2,982,000	Cost Estimation Tool
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$2,982,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$2,982,000	

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